Panasonic
ideas for life

digital imaging systems

DP-1820E / DP-1820P

the SMART way to work

18 cpm / 18 ppm
Digital Copying / Printing

Standard Network Printing / Document Manager Software

600 dpi High-speed
Network Scanning Capability

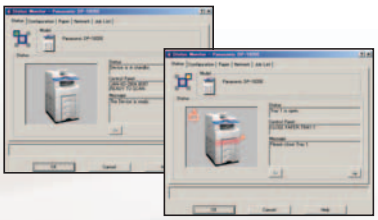
Internet Fax Capability
"Send-to-Email"

WORKIO™
DIGITAL IMAGING SYSTEMS

Integrating the multiple functions of copying, printing, scanning and faxing into one compact, easy-to-use solution, the WORKiO DP-1820E/1820P will add a new dimension of efficiency to any office. Outstanding versatility, networkability and TCO (Total Cost of Ownership) make this digital imaging platform "the SMART way to work".

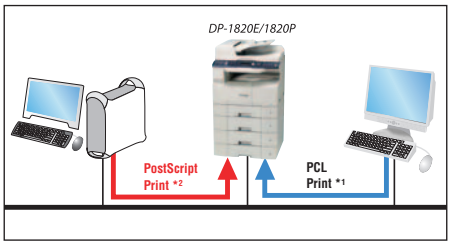
high-speed network ready A3-size printer

When connected to your office LAN via the standard 10Base-T/100Base-TX Ethernet interface, the DP-1820E/1820P serves as a high-speed, high-quality laser printer capable of handling documents up to A3 size. Even while performing at a quick 18 ppm (A4 size), the printer maintains sharp 1,200 dpi equivalent x 600 dpi*1 image quality. This standard connectivity will allow all the PCs on your LAN to take advantage of the printing capabilities and cost savings afforded by the WORKiO DP-1820E/1820P. And for connecting to an individual PC, a USB interface is also provided as standard equipment.



Status monitor

Status Monitor lets users check the current status of the WORKiO DP-1820E/1820P without leaving their desks.



network interface

WORKiO is about sharing networked resources and multiplying their effectiveness. With the standard 10Base-T/100Base-TX Ethernet interface, the DP-1820E/1820P provides printing power and performance for all networked PCs.

*1 Optional Printer Controller Module is required.
*2 Optional Multi Page Description Language Controller Module is required.

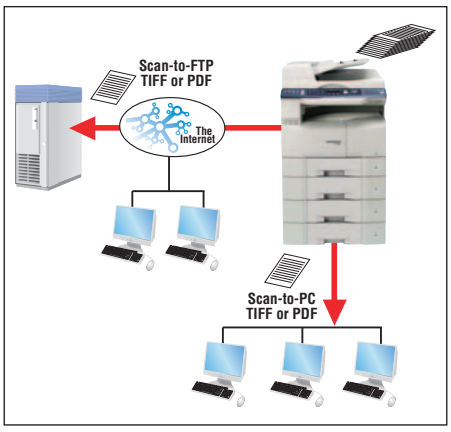
network scanning versatility

With the optional Network Scanner Module, the DP-1820E/1820P quickly converts paper documents up to A3 size into high-resolution 600 dpi digital data for easy storage and distribution. DP-1820E/1820P becomes a powerful network scanner that revolutionizes document distribution. And the "File-Naming" feature gives you the freedom to name the file before you scan it for easy identification.

Multi-protocol, Multi-network design

*Broad OS compatibility ensures that LAN clients using Windows XP/2000/Server 2003*2/98/Me and even Windows NT take advantage of the versatile "Push-type" network scanning capability.*

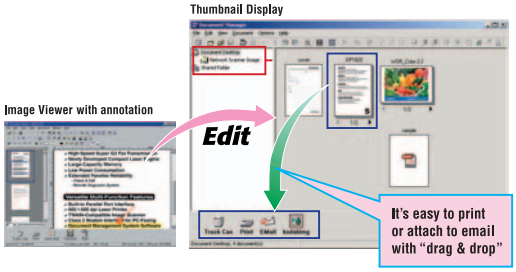
*1 To receive the TIFF or PDF file, Panasonic Document Management System software is required.
*2 Available in the 3rd quarter of 2004



the convenience and versatility your digital imaging tasks.

desktop document management

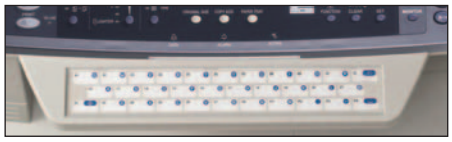
WORKiO not only gets documents into the digital flow faster with its high-speed scanning, it also provides Document Manager software for efficient management, editing and sharing of scanned documents. Using Document Manager, scanned documents can be efficiently managed, edited with the simple "drag & drop" operation and even shared by networked PC's. ■

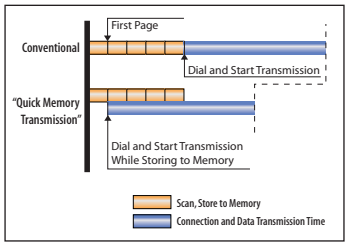


high-speed Super G3 Fax

With the optional Super G3 Fax, the WORKiO DP-1820E/1820P is a powerful fax station capable of high-resolution transmission with 0.7 sec.* high-speed "Quick Scanning" and Quick Memory Transmission. The optional fax communication board and standard Panafax Desktop software allows users to send documents directly from their PC via the LAN and WORKiO to G3 fax machines around the world. ■

* A4 portrait in Standard or Fine mode with ADF





"Quick Memory Transmission"

For fax transmission of multiple pages, WORKiO begins transmission while scanning pages.

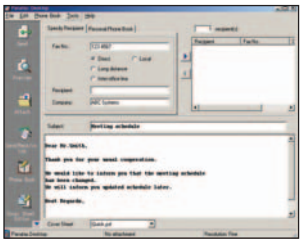
Optional keyboard

Optional keyboard allows registration of up to 32 stations for Fax numbers, Email addresses and PC's addresses for easy one-touch sending. In addition, you can use the QWERTY keyboard to name your documents before you scan or email them.

SUPER G3 with JBIG Compression

Super G3 and JBIG compression

Fully compliant with the ITU-T V.34 standard, Panasonic's Super G3 33.6-Kbps fax modem uses advanced JBIG compression and transfer an A4-size document in approx. 2.9 seconds. Thanks to JBIG compression, fax documents are effectively transmitted while halftone images are clearly reproduced at the destination.



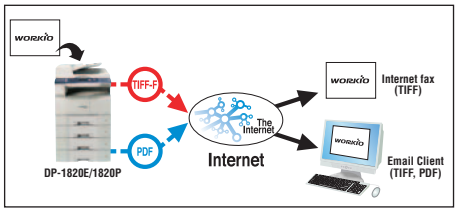
Panafax Desktop Software

PC-Faxing contributes to a more productive environment by enabling users to go directly from PC to fax data without the step of printing out the document and walking over to the fax to send it. The simple Panafax Desktop software makes it easy to send faxes from your PC.

internet faxing

DP-1820E/1820P can be configured to scan documents as TIFF images or PDF files allowing the user to send them to a PC as email attachments and another Internet Fax*1*2 even multiple email clients. Simultaneous distribution of the same document to multiple email clients and G3 fax terminals is easy using the "Mixed Broadcast" feature and convenient fax/email utilities. ■

*1 Depending on the receiving machines capability, the document may not be correctly printed depending on the chosen resolution and document size.
*2 Internet Fax only supports TIFF format.

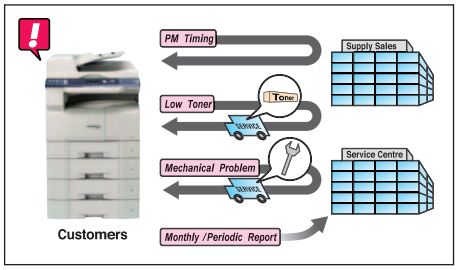


the solution we help maintain

By automatically reporting the toner level status and various key mechanical issues to a service centre, "Check & Call"* can prevent costly downtime caused by simple problems. The DP-1820E/1820P also supports the Remote Diagnostic System* that enables technicians to quickly identify problems and provide solutions without actually being near the machine. ■

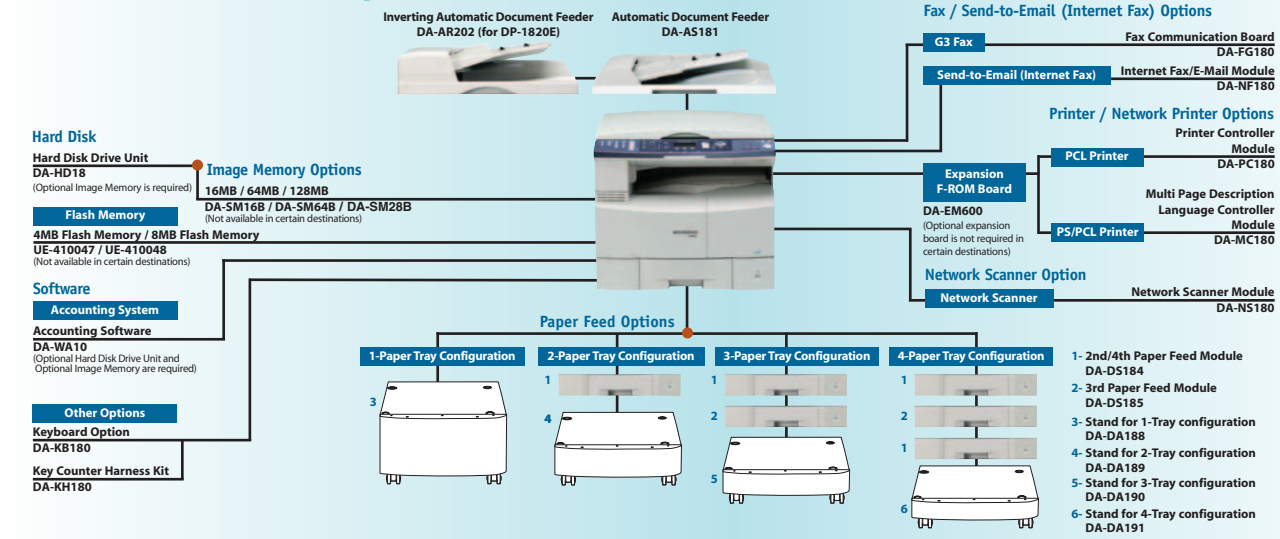
* Optional Fax Communication Board or Internet Fax/E-Mail Module is required.

Remote Diagnostic System



WORKiO – Options & Specifications

DP-1820E/DP-1820P Options



DP-1820E/DP-1820P Specifications

General function

Type	Desktop
Copy / Print Process	Laser Indirect Electrostatic
Developing Process	Dry Dual Component
Automatic Document Feeder (Option)	50 sheets (A4, 75 g/m²) for DP-1820E, DP-1820P
Inverting Automatic Document Feeder (Option)*1	50 sheets (A4, 75 g/m²) for DP-1820E
Paper Feed	550-sheet paper tray x 1 + 50-sheet bypass
	Max. 2,250 sheets with option
Paper Weight	Paper Tray : 60 to 90 g/m²
	Bypass: 55 to 133 g/m²
Automatic Duplex Unit*1	Standard for DP-1820E
Power Requirements	AC 220-240 V, 50/60 Hz, 6.5 A
Power Consumption	Max.: Less than 1.3 kW
	Power saver mode: Approx. 19.5 W
	Sleep mode: Approx. 9.5 W
Warm-up Time	Approx. 30 sec. (Main power switch ON)
	Approx. 30 sec. (Sleep mode)
Dimensions (W x D x H)*2 (H = Height To Platen Glass)	558 x 557 x 460 mm (Excluding optional equipment)
Weight*2	DP-1820E approx. 44.6 kg /DP-1820P approx. 43.6 kg (Excluding optional equipment)

Digital Copier function

Resolution	600 x 600 dpi
Gray Scale	256 steps
Multi Copy Speed*3	18 cpm
Maximum Original Size	A3
Copy Size	A3-A5
Copy Ratio	Enlargement (fixed)
	200 %, 173 %, 141 %, 122 %, 115 %
	Reduction (fixed)
	87 %, 82 %, 71 %, 58 %, 50 %
Zoom (variable)	50-200 % (in 1 % increments)
Multiple Copy	1 to 999, Automatic reset to 1
Exposure Control	Text, Text/Photo, Photo
Sort Memory (Standard)	16MB
(Option)*4	Base Memory plus 16 MB / 64 MB / 128 MB
	12 GB (with optional HDD)

Printer function

Network Printer Interface	Ethernet 10Base-T/100Base-TX
Communication Protocol	TCP/IP, LPR/LPD, IPP, AppleTalk (PS), SNMP, DHCP
Local Printer Interface	USB 1.1
Printer Language (Standard)	Panasonic Printing System for Windows®
(Option)	PCL 5e Emulation*5, PCL 6 Emulation*5
	Adobe® PostScript®3™*6
Printing Speed*3	18 ppm
Paper Size	Paper Tray: A3-A5
	Bypass: A3-Envelope (DL)
Printing Resolution	1,200 dpi equivalent x 600 dpi (PCL, PS)
	600 dpi x 600 dpi, 300 dpi x 300 dpi (GDI, PCL, PS)
Printer Memory	20 MB
PCL/PS Spool Memory	6 GB with optional HDD
Compatible Operating Systems	Windows® XP/2000/Server 2003*7, 98, Me, Windows NT® 4.0
	MacOS 8.6-10.3

Network Scanner function (Option)

Network Scanner Interface	Ethernet 10Base-T/100Base-TX
Communication Protocol	LPR, FTP
Maximum Scanning Size	A3
Scanning Resolution	150 dpi x 150 dpi, 300 dpi x 300 dpi, 600 dpi x 600 dpi
Scanning Speed*8	Approx. 1.1 sec. (A4 portrait in 150 dpi x 150 dpi, 300 dpi x 300 dpi from ADF)
Coding Scheme	JBIG / MMR / MR / MH
Data Format	TIFF, PDF

G3 Fax function (Option)

Compatibility	ITU-T Group 3, ECM
Modem Speed	33.6 kbps
Coding Scheme	JBIG / MMR / MR / MH
Scanning Speed*8	Approx. 0.7 sec. (A4 portrait in Standard or Fine mode)
Transmission Speed*9	Approx. 2.9 sec.
Scanning Resolution	Standard: 8 dots/mm x 3.85 lines/mm
	Fine: 8 dots/mm x 7.7 lines/mm
	Super Fine: 16 dots/mm x 15.4 lines/mm
	600 dpi: 600 dpi x 600 dpi
Effective Scanning Width	A3 (292 mm)
Recording Resolution	600 x 600 dpi
Standard Memory*10	2 MB (approx. 120 pages)
Optional Memory*10	Base memory plus 4 MB (320 pages)/8 MB (640 pages)
Speed Dials	1032 (abbreviation + optional keyboard + optional HDD)

Internet Fax/Send-to-Email function (Option)*11

Compatibility	IETF RFC 2305, ITU-T T.37
Communication Protocol	TCP/IP, SMTP, POP3, MIME, LDAP*12
Network Connectivity	Ethernet 10Base-T/100Base-TX (IEEE 802.3)
Data Format	TIFF (Profile S/F/J), PDF*13

Dimensions

Notes

*1 Available only for DP-1820E.
*2 Dimensions and weight are approximate.
*3 Speeds are contingent upon applications, machine configuration, and status. Individual speeds may vary.
*4 May not be available in certain destinations.
*5 Printer Controller Module or Multi Page Description Language Controller Module option required.
*6 Multi Page Description Language Controller Module option required.
*7 Available in the 3rd quarter of 2004.
*8 Scanning speed applies to the feeding process from the top to the end of a single page test chart. The time for the feeding process does not include the time that it takes for the top edge of the page to reach the scanning point and page ejection. Time for entire storing process is not applied.
*9 Transmission time applies to memory transmission of text data using only ITU-T Image No.1 between the same models at maximum modem speed. Transmission time may vary in actual usage. Usually public telephone lines can only support communication speeds of 28.8 Kbps or lower. Via PBX, transmission speed may fall back to a lower speed.
*10 Based on ITU-T Image No.1 scanned in Standard mode.
*11 Depending on the receiving machines capability, the document may not be correctly printed depending on the chosen resolution and document size.
*12 This function is not available in certain destinations.
*13 T.37 Internet Fax only supports TIFF format.

Design and specification are subject to change without notice. Not all options may be available at the time of notification.

Microsoft® Windows® and Windows NT® are registered trademarks of Microsoft Corporation.
Adobe, PostScript and PostScript 3 are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
PCL is either trademark or registered trademark of Hewlett-Packard Company and/or its subsidiaries.
WORKiO™ is a trademark of Matsushita Electric Industrial Co., Ltd.
All other brand or product name are the property of their respective holders.

As an Energy Star® Partner, Panasonic has determined that this product meets the Energy Star® Guidelines for energy efficiency.

ISO 9001 Quality Management System

Our business processes which produce document, information and network products, from manufacturing to marketing, conform to ISO9001 Quality Management Systems standard. Design, development, manufacture, installation, repair and maintenance of document, information and network products, their associated devices and consumables.

001

Panasonic®

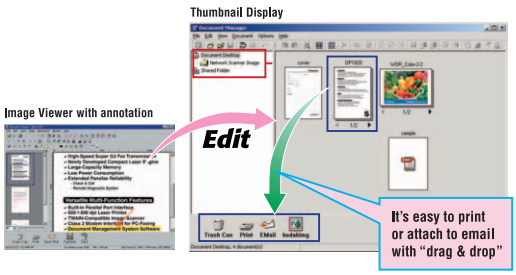
PRINTED WITH SOY INK

This brochure is printed on recycled paper.

MG-C443EE-2 0410 Printed in Japan

desktop document management

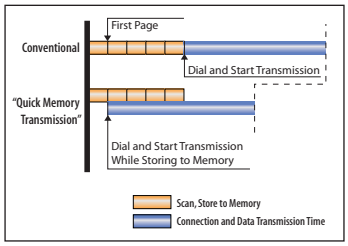
WORKiO not only gets documents into the digital flow faster with its high-speed scanning, it also provides Document Manager software for efficient management, editing and sharing of scanned documents. Using Document Manager, scanned documents can be efficiently managed, edited with the simple "drag & drop" operation and even shared by networked PC's. ■



high-speed Super G3 Fax

With the optional Super G3 Fax, the WORKiO DP-1820E/1820P is a powerful fax station capable of high-resolution transmission with 0.7 sec.* high-speed "Quick Scanning" and Quick Memory Transmission. The optional fax communication board, Internet Fax/E-Mail Module and standard Panafax Desktop software allows users to send documents directly from their PC via the LAN and WORKiO to G3 fax machines around the world. ■

* A4 portrait in Standard or Fine mode with ADF



"Quick Memory Transmission"

For fax transmission of multiple pages, WORKiO begins transmission while scanning pages.

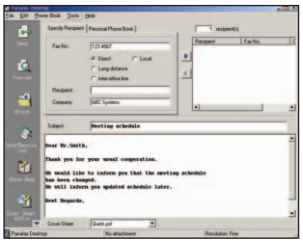
Optional keyboard

Optional keyboard allows registration of up to 32 stations for Fax numbers, Email addresses and PC's addresses for easy one-touch sending. In addition, you can use the QWERTY keyboard to name your documents before you scan or email them.

SUPER G3 with JBIG Compression

Super G3 and JBIG compression

Fully compliant with the ITU-T V.34 standard, Panasonic's Super G3 33.6-Kbps fax modem uses advanced JBIG compression and transfer an A4-size document in approx. 2.9 seconds. Thanks to JBIG compression, fax documents are effectively transmitted while halftone images are clearly reproduced at the destination.



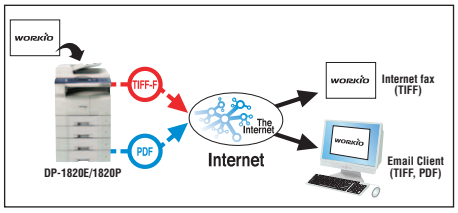
Panafax Desktop Software

PC-Faxing contributes to a more productive environment by enabling users to go directly from PC to fax data without the step of printing out the document and walking over to the fax to send it. The simple Panafax Desktop software makes it easy to send faxes from your PC.

internet faxing

DP-1820E/1820P can be configured to scan documents as TIFF images or PDF files allowing the user to send them to a PC as email attachments and another Internet Fax*1*2 even multiple email clients. Simultaneous distribution of the same document to multiple email clients and G3 fax terminals is easy using the "Mixed Broadcast" feature and convenient fax/email utilities. ■

*1 Depending on the receiving machines capability, the document may not be correctly printed depending on the chosen resolution and document size.
*2 Internet Fax only supports TIFF format.

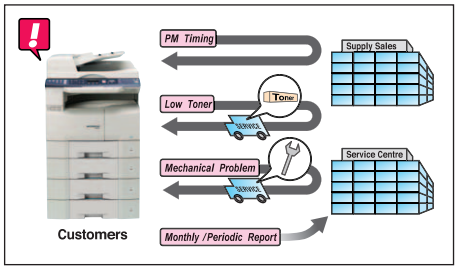


the solution we help maintain

By automatically reporting the toner level status and various key mechanical issues to a service centre, "Check & Call"* can prevent costly downtime caused by simple problems. The DP-1820E/1820P also supports the Remote Diagnostic System* that enables technicians to quickly identify problems and provide solutions without actually being near the machine. ■

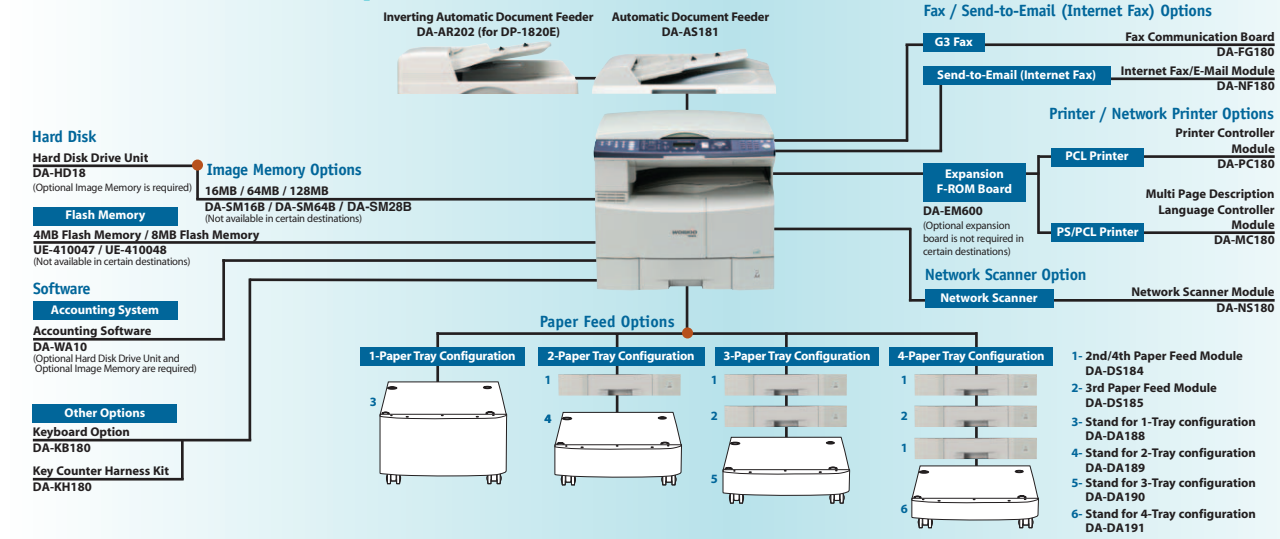
* Optional Fax Communication Board or Internet Fax/E-Mail Module is required.

Remote Diagnostic System



WORKiO – Options & Specifications

DP-1820E/DP-1820P Options



DP-1820E/DP-1820P Specifications

General function

Type	Desktop
Copy / Print Process	Laser Indirect Electrostatic
Developing Process	Dry Dual Component
Automatic Document Feeder (Option)	50 sheets (A4, 75 g/m²) for DP-1820E, DP-1820P
Inverting Automatic Document Feeder (Option)*1	50 sheets (A4, 75 g/m²) for DP-1820E
Paper Feed	550-sheet paper tray x 1 + 50-sheet bypass
	Max. 2,250 sheets with option
Paper Weight	Paper Tray : 60 to 90 g/m²
	Bypass: 55 to 133 g/m²
Automatic Duplex Unit*1	Standard for DP-1820E
Power Requirements	AC 220-240 V, 50/60 Hz, 6.5 A
Power Consumption	Max.: Less than 1.3 kW
	Power saver mode: Approx. 19.5 W
	Sleep mode: Approx. 9.5 W
Warm-up Time	Approx. 30 sec. (Main power switch ON)
	Approx. 30 sec. (Sleep mode)
Dimensions (W x D x H)*2 (H = Height To Platen Glass)	558 x 557 x 460 mm (Excluding optional equipment)
Weight*2	DP-1820E approx. 44.6 kg /DP-1820P approx. 43.6 kg (Excluding optional equipment)

Digital Copier function

Resolution	600 x 600 dpi
Gray Scale	256 steps
Multi Copy Speed*3	18 cpm
Maximum Original Size	A3
Copy Size	A3-A5
Copy Ratio	Enlargement (fixed)
	200 %, 173 %, 141 %, 122 %, 115 %
	Reduction (fixed)
	87 %, 82 %, 71 %, 58 %, 50 %
Zoom (variable)	50-200 % (in 1 % increments)
Multiple Copy	1 to 999, Automatic reset to 1
Exposure Control	Text, Text/Photo, Photo
Sort Memory (Standard)	16MB
(Option)*4	Base Memory plus 16 MB / 64 MB / 128 MB
	12 GB (with optional HDD)

Printer function

Network Printer Interface	Ethernet 10Base-T/100Base-TX
Communication Protocol	TCP/IP, LPR/LPD, IPP, AppleTalk (PS), SNMP, DHCP
Local Printer Interface	USB 1.1
Printer Language (Standard)	Panasonic Printing System for Windows®
(Option)	PCL 5e Emulation*5, PCL 6 Emulation*5
	Adobe® PostScript®3™*6
Printing Speed*3	18 ppm
Paper Size	Paper Tray: A3-A5
	Bypass: A3-Envelope (DL)
Printing Resolution	1,200 dpi equivalent x 600 dpi (PCL, PS)
	600 dpi x 600 dpi, 300 dpi x 300 dpi (GDI, PCL, PS)
Printer Memory	20 MB
PCL/PS Spool Memory	6 GB with optional HDD
Compatible Operating Systems	Windows® XP/2000/Server 2003*7, 98, Me, Windows NT® 4.0
	MacOS 8.6-10.3

Network Scanner function (Option)

Network Scanner Interface	Ethernet 10Base-T/100Base-TX
Communication Protocol	LPR, FTP
Maximum Scanning Size	A3
Scanning Resolution	150 dpi x 150 dpi, 300 dpi x 300 dpi, 600 dpi x 600 dpi
Scanning Speed*8	Approx. 1.1 sec. (A4 portrait in 150 dpi x 150 dpi, 300 dpi x 300 dpi from ADF)
Coding Scheme	JBIG / MMR / MR / MH
Data Format	TIFF, PDF

G3 Fax function (Option)

Compatibility	ITU-T Group 3, ECM
Modem Speed	33.6 kbps
Coding Scheme	JBIG / MMR / MR / MH
Scanning Speed*8	Approx. 0.7 sec. (A4 portrait in Standard or Fine mode)
Transmission Speed*9	Approx. 2.9 sec.
Scanning Resolution	Standard: 8 dots/mm x 3.85 lines/mm
	Fine: 8 dots/mm x 7.7 lines/mm
	Super Fine: 16 dots/mm x 15.4 lines/mm
	600 dpi: 600 dpi x 600 dpi
Effective Scanning Width	A3 (292 mm)
Recording Resolution	600 x 600 dpi
Standard Memory*10	2 MB (approx. 120 pages)
Optional Memory*10	Base memory plus 4 MB (320 pages)/8 MB (640 pages)
Speed Dials	1032 (abbreviation + optional keyboard + optional HDD)

Internet Fax/Send-to-Email function (Option)*11

Compatibility	IETF RFC 3965, ITU-T T.37
Communication Protocol	TCP/IP, SMTP, POP3, MIME, LDAP*12
Network Connectivity	Ethernet 10Base-T/100Base-TX (IEEE 802.3)
Data Format	TIFF (Profile S/F/J), PDF*13

Dimensions

Notes

*1 Available only for DP-1820E.
*2 Dimensions and weight are approximate.
*3 Speeds are contingent upon applications, machine configuration, and status. Individual speeds may vary.
*4 May not be available in certain destinations.
*5 Printer Controller Module or Multi Page Description Language Controller Module option required.
*6 Multi Page Description Language Controller Module option required.
*7 Available in the 3rd quarter of 2004.
*8 Scanning speed applies to the feeding process from the top to the end of a single page test chart. The time for the feeding process does not include the time that it takes for the top edge of the page to reach the scanning point and page ejection. Time for entire storing process is not applied.
*9 Transmission time applies to memory transmission of text data using only ITU-T Image No.1 between the same models at maximum modem speed. Transmission time may vary in actual usage. Usually public telephone lines can only support communication speeds of 28.8 Kbps or lower. Via PBX, transmission speed may fall back to a lower speed.
*10 Based on ITU-T Image No.1 scanned in Standard mode.
*11 Depending on the receiving machines capability, the document may not be correctly printed depending on the chosen resolution and document size.
*12 This function is not available in certain destinations.
*13 T.37 Internet Fax only supports TIFF format.

Design and specification are subject to change without notice. Not all options may be available at the time of notification.

Microsoft® Windows® and Windows NT® are registered trademarks of Microsoft Corporation.
Adobe, PostScript and PostScript 3 are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
PCL is either trademark or registered trademark of Hewlett-Packard Company and/or its subsidiaries.
WORKiO™ is a trademark of Matsushita Electric Industrial Co., Ltd.
All other brand or product name are the property of their respective holders.

As an Energy Star® Partner, Panasonic has determined that this product meets the Energy Star® Guidelines for energy efficiency.

ISO 9001 Quality Management System

Our business processes which produce document, information and network products, from manufacturing to marketing, conform to ISO9001 Quality Management Systems standard. Design, development, manufacture, installation, repair and maintenance of document, information and network products, their associated devices and consumables.

001

Panasonic®

PRINTED WITH SOY INK

This brochure is printed on recycled paper.

MG-C443EE-2 0505 Printed in Japan